

HIGH POWER COAXIAL SWITCHES, TYPE "N"

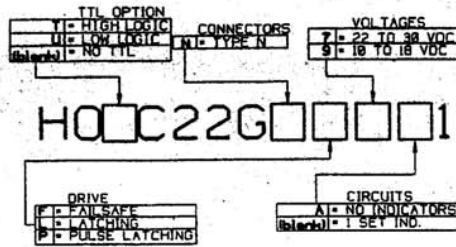
HOC22G SERIES

DPDT Relay style DC to 4 GHz family.

The HC22G series offers performance and value in DPDT transfer RF switching in High Power N connector styles.

Covering DC to 4 GHz, this series is a real workhorse in numerous applications including telecommunications and cellular.

The following pages comprise a variety of sample models commonly used.



SCHEMATIC DIAGRAM SHOWN IN POSITION 1

REV	DESCRIPTION	DATE	APPROVED

MECHANICAL DIMENSIONS:

- INDICATOR CIRCUITRY: 4 POS 1, 5 IND COM, 6 POS 2
- NOMINAL VOLTAGE: 0 VDC, 3 -RETURN
- TTL CONTROL: 2 POS 2, 1 POS 1
- INDICATOR CIRCUITRY: 1, 2, 3, 4
- MOUNTING HOLES: #6-32 UNC-2B X.25 DEEP
- TYPE "N" CONNECTORS FEMALE

SPECIFICATIONS MICROWAVE

FREQUENCY RANGE GHz	DC TO 0.5	0.5 TO 1	1 TO 2	2 TO 3	3 TO 4
V.S.W.R. MAX	1.10:1	1.15:1	1.2:1	1.3:1	1.4:1
INSERTION LOSS MAX	0.2 dB	0.2 dB	0.2 dB	0.3 dB	0.4 dB
ISOLATION MIN	20 dB	20 dB	20 dB	20 dB	20 dB
POWER MAX CW	1200 W	800 W	500 W	400 W	300 W

IMPEDANCE: 50 OHM

ELECTRICAL:
 VOLTAGE: 22 TO 38 VDC
 CURRENT: 200 mA MAX @ 28 VDC @ 20°C
 TTL LOGIC: VOLTAGE LOW: 0 TO 0.8 VDC
 VOLTAGE HIGH: 2.4 TO 5.5 VDC
 CURRENT LOW: 0 mA
 CURRENT HIGH: 1.75 mA MAX @ 5 V

SWITCHING TIME: 15 MILLISECONDS MAX.

MATERIAL: ALUMINUM IRF ASSY / BREAK-BEFORE MAKE / IRIODITE PER MIL-E-5541 / PAINT DULL BLACK ENAMEL / 1,000,000 CYCLES MIN.

TEMP.: OPERATING 0°C TO +70°C / NON-OPERATING -40°C TO +100°C

HUMIDITY: 0 TO 95% NO CONDENSATION

ALIAS	DESCRIPTION	DATE	APPROVED

MODEL # HOC22GNL71

DATE: 8/8/96

SCALE: UNIT: WT: SHEET: 1 OF 1

HOC22GNL71

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